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A.D. 1874, 19th May. N° 1764.

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SPECIFICATION

OF

JOHN HOWARD KIDD.

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DEODORISING SEWAGE AND MAKING  
ARTIFICIAL MANURE.

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LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

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A.D. 1874, 19th MAY. N° 1764.

## Deodorising Sewage and Making Artificial Manure.

*(This Invention received Provisional Protection only.)*

PROVISIONAL SPECIFICATION left by John Howard Kidd at the Office of the Commissioners of Patents, with his Petition, on the 19th May 1874.

I, JOHN HOWARD KIDD, of Wrexham, in the County of Denbigh, do  
5 hereby declare the nature of the said Invention for "IMPROVEMENTS IN  
THE PREPARATION AND APPLICATION OF CERTAIN MATERIALS FOR DEODORISING  
SEWAGE, NIGHT SOIL, AND LIKE MATTERS, AND IN THE MANUFACTURE OF ARTIFICIAL  
MANURES," to be as follows:—

My Invention consists in applying as a deodorizer carbonaceous or  
10 coal shales or coal washings, which materials are heated or carbonised in  
a suitable furnace, such as retort furnaces, and are then pulverised, if  
desired. When thus prepared it is mixed with the sewage or night soil  
or other like matters requiring to be deodorized.

In treating sewage the solid matter is allowed to settle in tanks, then  
15 the surplus water is drained away, and salt or lime is added, and then  
sufficient mineral carbon or material obtained from carbonaceous shales

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*Kidd's Impts in Deodorising Sewage and Making Artificial Manure.*

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or coal washings, as above explained, is added and mixed with the sewage sediment to cause it to dry readily. The material thus obtained is further and greatly enriched as a fertilizer by the addition and mixture of bone dust, nitrate of soda, sulphate of ammonia, and other like matters.

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Printers to the Queen's most Excellent Majesty. 1874.



